

UJNR TECHNICAL SESSION
The Helmsley Sandcastle Hotel, Sarasota, Florida
December 3-4, 2001

PROGRAM

Monday, December 3, 2001

09:00-09:15 Opening remarks

Session 1 U.S.-Japan Cooperation in Stock Enhancement

09:15-09:40 Charles Helsley, “Open Ocean Aquaculture- A Venue for Cooperative Research Between the United States and Japan”

09:40-10:05 Mark Drawbridge, “Enhancement of southern California marine species with an emphasis on U.S.A.-Japan collaborative projects in fish health”

10:05-10:30 John Miller, “UJNR student and scientific exchange”

10:30-10:45 Break

Session 2 Flounder Stock Enhancement: growth and nutrition

10:45-11:10 Osamu Tominaga, “Daily ration of hatchery-reared Japanese flounder *Paralichthys olivaceus* as an indicator of release place, time and fry quality; In situ direct estimation and possibility of new methods by stable isotope”

11:10-11:35 Woo-Seok Gwak, “RNA/DNA ratio as a measure to evaluate the nutritional condition of Japanese flounder (*Paralichthys olivaceus*) larvae and juveniles”

11:35-12: 00 Discussion

12: 00-13:00 Lunch Break

Session 3 Flounder Stock Enhancement: Genetic Diversity

- 13:00-13:25 Masashi Sekino, “Genetic diversity within and between hatchery populations of Japanese flounder assessed by means of microsatellite and mitochondrial DNA sequencing analysis”
- 13:25-13:50 Tesuo Fujii, “Tracking Released Japanese Flounder *Paralichthys olivaceus* by Mitochondrial DNA Sequencing”

Session 4 Pacific Threadfin Stock Enhancement

- 13:50-14:15 Michael Tringali, “Preliminary aspects of genetic management for Pacific threadfin (*Polydactylus sexfilis*) stock enhancement research in Hawaii”
- 14:15-14:40 David Ziemann, “Stock enhancement of Pacific threadfin (*Polydactylus sexfilis*) in Hawaii: progress and current status”
- 14:40-15:00 Discussion

Tuesday, December 4, 2001

Session 5 Pacific Salmon Stock Enhancement

- 09:00-09:25 Kazumasa Ikuta, **“Historical analysis and recent status of salmon stock enhancement activities in Japan”**
- 09:25-09:50 William Heard, **“Alaska Salmon Enhancement; A Successful Program for Hatchery and Wild Stocks”**
- 09:50-10:15 Kazuya Nagasawa, **“Predation on chum salmon juveniles by fishes and birds in rivers and coastal oceanic waters of Japan”**
- 10:15-10:30 Discussion
- 10:30-10:45 Break

Session 6 Physiological and Ecological Applications to Stock Enhancement

- 10:45-11:10 Yonathan Zohar, **“Manipulation of spawning in finfish: application to aquaculture and restoration programs”**
- 11:10-11:35 Toshihiro Shigeta, **“Cleaning behavior of the juvenile sharpnose tigerfish, *Rhyncopelates oxyrhynchus* in the Seto Inland Sea, Japan: Possibility of the application to aquaculture”**
- 11:35-12:00 Discussion
- 12:00-13:00 Lunch Break

Session 7 Stock Enhancement Case Studies

- 13:00-13:25 Thomas McIlwain, “**NMFS involvement with Stock Enhancement as a Management Tool**”
- 13:25-13:50 Robert Chapman, “**Red Drum Stock Enhancement (preliminary title)**”
- 13:50-14:15 John Ransier, “**The stock enhancement of red drum (*Sciaenops ocellatus*) in Tampa Bay, Florida.**”
- 14:15-14:40 Theodore Smith, “**Stock Enhancement Research with Anadromous and Marine Fishes in South Carolina**”
- 14:40-15:00 Break
- 15:00-15:25 John Tucker, “**Comparison of some developmental, nutritional, behavioral, and health factors relevant to stocking of snook (*centropomidae*), groupers (*serranidae*), mullet (*mugilidae*), and sheepshead (*sparidae*)**”
- 15:25-15:50 Brett Blackburn, “**Assessment of pilot releases of red snapper, *Lutjanus campechanus*, in the Gulf of Mexico**”
- 15:50-16:15 Nathan Brennan, “**Effects of release strategies on growth and survival of juvenile snook, *Centropomus undecimalus*, in a Florida estuary**”
- 16:15-16:40 Toyomitsu Horii, “**Evaluation of the increment of sustainable yield by stocking with juvenile of the red seabream, *Pagrus major***”
- 16:40-17:00 Discussion